A.D. 1863, 21st SEPTEMBER. N° 2322.

SPECIFICATION

OF

ANNE ABBEY DOWNES.

ARTIFICIAL TEETH.

LONDON:
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1864.

A.D. 1863, *21st September.* N° 2322.

Artificial Teeth.

LETTERS PATENT to Anne Abbey Downes, of Stonnall, in the County of Stafford, Spinster, for the Invention of "Improvements in Artificial Teeth."

Sealed the 18th March 1864, and dated the 21st September 1863.

PROVISIONAL SPECIFICATION left by the said Anne Abbey Downes at the Office of the Commissioners of Patents, with her Petition, on the 21st September 1863.

I, Anne Abbey Downes, of Stonnall, in the County of Stafford, Spinster, do hereby declare the nature of the said Invention for "Improvements in Artificial Teeth," to be as follows :—

My Invention refers to mineral teeth, in which a groove or channel is formed to receive metal, in order to the teeth being secured to a plate or other medium for being placed in the mouth of the wearer.

My Invention consists in inserting pins, studs, or bars of metal transversely to the tooth or at right angles to the groove, and in embedding or inserting the ends of such pins under the sides of the groove. Instead of pins I sometimes use wire and bend it to and fro across the groove, and embed the loops formed in turning the wire under the sides of the groove. Again, in some cases, instead of carrying the pins or wires entirely across the groove I insert the ends or loops under the sides of the groove, and leave a portion only

protruding or extending partly across the groove; I also sometimes take a bar or plate of metal with ribs protruding from each side, and embed or insert the ends of the ribs on each side under the sides of the groove.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said Anne Abbey Downes in the Great Seal Patent Office on the 21st March 1864.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, Anne Abbey Downes, of Stonnal, in the County of Stafford, Spinster, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-first day of September, in the year of our Lord One thousand eight hundred and sixty-three, in the twenty-seventh year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Anne Abbey Downes, Her special licence that I, the said Anne Abbey Downes, my executors, administrators, and assigns, or such others as I, the said Anne Abbey Downes, my executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "Improvements in Artificial Teeth," upon the condition (amongst others) that I, the said Anne Abbey Downes, my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said Anne Abbey Downes, do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement thereof, that is to say:—

My Invention refers to mineral teeth, in which a groove or channel is formed to receive metal in order to the teeth being secured to a plate or other medium for being placed in the mouth of the wearer.

My Invention consists in inserting pins, studs, or bars of metal transversely to the tooth in every separate tooth or at right angles to the groove, and in

embedding or inserting the ends of such pins under the sides of the groove. Instead of pins I sometimes use wire, and bend it to and fro across the groove and embed the loops formed in turning the wire under the sides of the groove. Again, in some cases, instead of carrying the pins or wires entirely across the groove I insert the ends or loops under the sides of the groove, and leave a portion only protruding or extending partly across the groove. I also sometimes take a bar or plate of metal with ribs protruding from each side, and embed or insert the ends of the ribs on each side under the sides of the groove.

And having now described the nature of my said Invention and in what manner the same is to be performed, I declare that I claim,—

First, inserting pins, studs, or bars of metal across and embedding the ends of the same under the sides of the groove in every separate mineral tooth, and that whether such pins, studs, or bars be carried entirely or only partly across such groove.

Second, inserting a continuous wire in such groove, and embedding the loops formed in bending the same across the groove under the sides thereof.

And, third, inserting in such groove a bar or plate parallel to the groove, with arms or pins projecting from the sides thereof, the ends of which are embedded under the sides of the groove.

In witness whereof, I, the said Anne Abbey Downes, have hereunto set my hand and seal, this Twenty-first day of March, One thousand eight hundred and sixty-four.

ANNE ABBEY DOWNES. (L.S.)

LONDON:
Printed by George Edward Eyre and William Spottiswoode,
Printers to the Queen's most Excellent Majesty. 1864.